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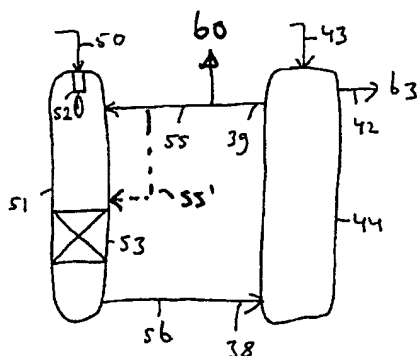
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IDE



(57) Abstract: Process for the preparation hydrogen and a mixture of hy-  
drogen and carbon monoxide containing gas from a carbonaceous feedstock  
by performing the following steps: (a) preparing a mixture of hydrogen and  
carbon monoxide having a temperature of above 700 °C (51); (b) catalytic  
steam reforming a carbonaceous feedstock in a Convective Steam Reformer  
zone (44), wherein the required heat for the steam reforming reaction is pro-  
vided by convective heat exchange between the steam reformer reactor zone  
and the effluent of step (a) to obtain as separate products a steam reforming  
product having a hydrogen to CO molar ratio of greater than 2 and a cooled  
effluent of step (a), and (c) separating hydrogen from the steam reforming  
product.

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